



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
07.11.2012 Bulletin 2012/45

(51) Int Cl.:
G01R 1/067 (2006.01) G01R 1/04 (2006.01)

(43) Date of publication A2:
27.10.2004 Bulletin 2004/44

(21) Application number: **04009154.8**

(22) Date of filing: **16.04.2004**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL HR LT LV MK

- **Sato, Atsushi**
Tokyo (JP)
- **Fukushima, Yasuo**
Tokyo (JP)
- **Noguchi, Masaki**
Tokyo (JP)

(30) Priority: **25.04.2003 JP 2003121574**

(71) Applicant: **Yokowo Co., Ltd**
Tokyo (JP)

(74) Representative: **Weber, Joachim**
Hoefler & Partner
Patentanwälte
Pilgersheimer Strasse 20
81543 München (DE)

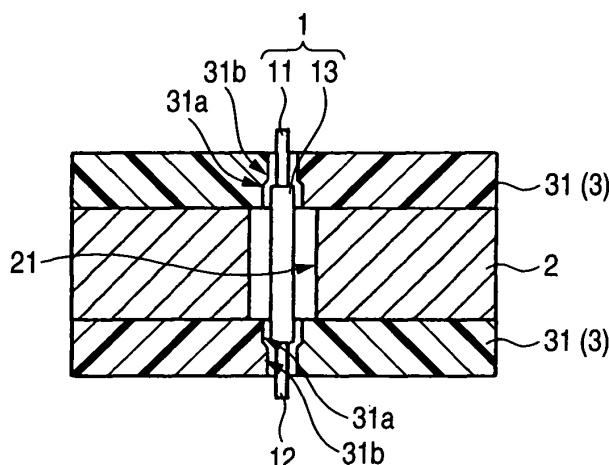
(72) Inventors:
• **Yoshida, Takuto**
Tokyo (JP)

(54) **Coaxial probe interface**

(57) A conductive block (2) is formed with a first face, a second face and a through hole (21) connecting the first face and the second face. A contact probe (1) is provided with a conductive pipe (13) and a conductive plunger (11,12), retractably provided in at a first end of the pipe (13), the plunger (11,12) being to be brought

into contact with a device to be inspected. A first retainer (3) includes a first insulative member through which the first end of the pipe (13) is retained in the vicinity of the first face of the block (2), such that the pipe (13) is coaxially held within the through hole (21) while forming a gap between an outer periphery of the pipe (13) and an interior wall of the through hole (21).

FIG. 1A





EUROPEAN SEARCH REPORT

Application Number
EP 04 00 9154

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 1 113 274 A1 (NHK SPRING CO LTD [JP]) 4 July 2001 (2001-07-04) * paragraph [0025]; figures 1,2 *	1	INV. G01R1/067 G01R1/04
X	DE 86 29 926 U1 (MÜLLER, GERHARD) 2 January 1987 (1987-01-02) * figure 1 *	1	
X	US 6 264 476 B1 (LI CHE-YU [US] ET AL) 24 July 2001 (2001-07-24) * figure 7 *	1	
A	JP 58 219459 A (HITACHI LTD) 20 December 1983 (1983-12-20) * abstract *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			G01M G01R
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 26 September 2012	Examiner Vytlačilová, Lenka
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

1
EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 04 00 9154

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

26-09-2012

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1113274	A1	04-07-2001	CN 1308727 A	15-08-2001
			DE 69923194 D1	17-02-2005
			DE 69923194 T2	29-12-2005
			EP 1113274 A1	04-07-2001
			JP 4880120 B2	22-02-2012
			TW 438977 B	07-06-2001
			US 6556033 B1	29-04-2003
			WO 0003250 A1	20-01-2000

DE 8629926	U1	02-01-1987	NONE	

US 6264476	B1	24-07-2001	CN 1305247 A	25-07-2001
			JP 2001176580 A	29-06-2001
			KR 20010066751 A	11-07-2001
			TW 558859 B	21-10-2003
			US 6264476 B1	24-07-2001

JP 58219459	A	20-12-1983	NONE	
